

MERCURY REDUCTION SYSTEM AND METHOD IN COMBUSTION FLUE
GAS USING STAGING

Abstract of the Disclosure

A method to reduce mercury in gas emissions from the combustion of coal is disclosed. Mercury emissions can be reduced by staging combustion process and/or reducing boiler excess oxygen. Fly ash formed under combustion staging conditions is more reactive towards mercury than fly ash formed under typical combustion conditions. Reducing boiler excess oxygen can also improve ability of fly ash to adsorb mercury.